

Form PTO-1449  
(Rev. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 20 2003

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

~~2662~~ 2665

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hmm	A1	3,626,295	12-07-71	Sabru			
	A2	3,898,376	08-05-75	Nabeyama et al.			
	A3	4,130,730	12-19-78	Ostrowski			
	A4	4,346,262	08-24-82	Willems et al.			
	A5	4,494,238	01-15-85	Groth			
	A6	4,544,950	10-01-85	Tu			
	A7	4,624,012	11-18-86	Lin et al.			
	A8	4,641,343	02-03-87	Holland et al.			
	A9	4,720,873	01-19-88	Goodman et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
hmm	B1	AU 744624	10-19-00	Australia				
	B2	CA 2,199,360	06-26-01	Canada				
	B3	DE 33 13 841 A1	10-18-84	Germany				
	B4	DE 34 40 613 C1	04-10-86	Germany				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

hmm	C1	"Draft AES recommended practice for professional audio – subjective evaluation of loudspeakers," Draft AES20-xxxx, <u>Standards and Information Documents</u>
	C2	"Asymmetric Internet Access over Satellite-Terrestrial Networks," V. Arora, N. Suphasindhu, J.S. Baras, D. Dillon, <u>Center for Satellite and Hybrid Communication Networks</u> .
	C3	"Precision Telephone Product Tester at bottom left, p. 297, located in Group 2900 library, B. A. Pargh Company, Inc. catalog

EXAMINER

Alpus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

~~2662~~

2665

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BHH	A10	4,725,886	02-16-88	Galumbeck et al.			
	A11	4,731,783	03-15-88	Fontanes			
	A12	4,763,321	08-09-88	Calvignac et al.			
	A13	4,821,260	04-11-89	Klank et al.			
	A14	4,831,624	05-16-89	McLaughlin et al.			
	A15	4,907,277	03-06-90	Callens et al.			
	A16	4,916,539	04-10-90	Galumbeck et al.			
	A17	4,972,484	11-20-90	Theile et al.			
	A18	5,111,292	05-05-92	Kuriacose et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BHH	B5	DE 36 38 922 A1	05-26-88	Germany				
	B6	DE 36 45 150 C2	05-26-88	Germany				
	B7	DE 42 37 366 A1	05-11-94	Germany				
	B8	EP 0 139 803	05-08-85	Europe				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BHH	C4	"A Systems Approach to Non-Transcoded Audio Delivery, A Step Toward Digital Compatibility," Richard J. Becvar, Annual Proceeding of the National Association of Broadcasting, March 20, 1994.
	C5	"ISO-MPEG-1 Audio: A Generic Standard for Coding of High-Quality Digital Audio," Brandenburg et al., J. Audio Eng. Soc., Vol. 42, No. 10, Oct. 1994, pp. 780-792.
	C6	CDQ1000 Reference Manual, Revision 3.3, May, 1994, CCS Audio Products

EXAMINER

A/pus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 20 2003

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

~~2882~~

2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A4H	A19	5,132,992	07-21-92	Yurt et al.			
	A20	5,144,431	09-01-92	Citta et al.			
	A21	5,151,998	09-29-92	Capps			
	A22	5,161,210	11-03-92	Druyvesteyn et al.			
	A23	5,214,708	05-25-93	McEachern			
	A23	5,239,540	08-24-93	Rovira et al.			
	A25	5,253,275	10-12-93	Yurt et al.			
	A26	5,282,028	01-25-94	Johnson et al.			
	A27	5,282,202	01-25-94	Bernstein et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
A4H	B9	EP 0 174 636	03-19-86	Europe				
	B10	EP 0 271 805	06-22-88	Europe				
	B11	EP 0 343 792 A2	11-29-89	Europe				
	B12	EP 0 372 601 A1	06-13-90	Europe				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A4H	C7	CDQ2000 Reference Manual, Rev. 6.92-2, July 27, 1994, CCS Audio Products
	C8	CDQ2001 Reference Manual, Revision 2.2-3, August 1994, Musicam USA
	C9	"SpectraCast DR1000 Integrated Receiver Decoder," Crown Satellite, March, 1998

EXAMINER

Alpus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 20 2003

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

~~2662~~

2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hwy	A28	5,287,351	02-15-94	Wall, Jr. et al.			
	A29	5,301,363	04-15-94	Hinderks			
	A30	5,305,440	04-19-94	Morgan et al.			
	A31	5,319,707	06-07-94	Wasilewski et al.			
	A32	5,325,423	06-28-94	Lewis			
	A33	5,333,155	07-26-94	Dambacher			
	A34	5,341,457	08-23-94	Hall, II et al.			
	A35	5,349,699	09-20-94	Erben et al.			
	A36	5,375,068	12-20-94	Palmer et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
hwy	B13	EP 0 510 247 A2	08-02-91	Europe				
	B14	EP 0 510 247 A3	08-02-91	Europe				
	B15	JP 5227164	09-03-93	Japan				
	B16	Kokai 1-188043	07-27-89	Japan				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

hwy	C10	"120/140 Mbit/s Portable HDTV Codec and its Transmission Performance in a Field Trial via INTELSAT Satellite," Shuichi Matsumoto and Hitomi Murakami, <u>8376 Signal Processing Image Communication</u> , Elsevier Science Publishers, vol. 4, Nos. 4/5, August 1, 1992, pp. 359-377, xp000293754, Amsterdam, NE
	C11	"The Internet Multicast from ITS: How it was Done and Implications for the Future," Luis F. M. de Moraes and Stephen B. Weinstein, <u>IEEE Communications Magazine</u> , January, 1995
	C12	"The Motion Pictures Experts Group Digital Compression Standard and its Role in Satellite Systems," Frank Laczko, <u>Proceedings of 1993 IEEE National Telesystems Conference</u> , June 16-17, 1993, pp. 117-119, xp002163561, Atlanta, GA, USA

EXAMINER

Alpus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(Rev. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

2002

2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
B424	A37	5,381,412	01-10-95	Otani			
	A38	5,388,182	02-07-95	Benedetto et al.			
	A39	5,389,965	02-14-95	Kuzma A.J.			
	A40	5,392,066	02-21-95	Fisher et al.			
	A41	5,392,353	02-21-95	Morales			
	A42	5,394,561	02-28-95	Freeburg			
	A43	5,396,497	03-07-95	Veltman			
	A44	5,403,639	04-04-95	Belsan et al.			
	A45	5,404,567	04-04-95	DePietro et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
B424	B17	Kokai 1-309489	12-13-89	Japan				
	B18	Kokai 3-278730	12-10-91	Japan				
	B19	Kokai 4-134995	05-08-92	Japan				
	B20	Kokai 5-103233	04-23-93	Japan				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

B424	C13	"MPEG: A Video Compression Standard for Multimedia Applications," Didier Le Gall, <u>Communications of the Association for Computing Machinery</u> , vol. 34, no. 4, April 1, 1991, pp. 46-58, xp000228788, NY, USA
	C14	"Principles of Digital Audio," Ken C. Pohlmann, <u>McGraw-Hill Video/Audio Professional</u> , 4 <sup>th</sup> edition, pp. 482-483.
	C15	"Infinity Boards the MUSICAM Express," <u>Radio Ink</u> , p. 10, May 8-21, 1995

EXAMINER

Alpus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-83) <b>MAR 20 2003</b> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	ATTORNEY DOCKET NO.	SERIAL NO.
	10872US04	09/729,040
	APPLICANT: Larry W. Hinderks	
FILING DATE		GROUP ART UNIT:
December 4, 2000		2662 2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
B44	A46	5,406,558	04-11-95	Rovira et al.			
	A47	5,414,773	05-09-95	Handelman			
	A48	5,432,907	07-11-95	Picazo, Jr., et al.			
	A49	5,440,336	08-08-95	Buhro et al.			
	A50	5,455,570	10-03-95	Cook et al.			
	A51	5,461,619	10-24-95	Citta et al.			
	A52	5,463,424	10-31-95	Dressler			
	A53	5,479,447	12-26-95	Chow et al.			
	A54	5,490,136	02-06-96	Sereno et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
B44	B21	Kokai 5-290442	11-05-93	Japan				
	B22	Kokai 6-133220	05-13-94	Japan				
	B23	Kokai 6-141005	05-20-94	Japan				
	B24	Kokai 6-276169	09-30-93	Japan				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

B44	C16	"Digital Audio Dictionary," Howard W. Sams, <u>Prompt Publications</u>
	C17	"Introduction to Data Compression," Khalid Sayood, 1996
	C18	"MCPC VSAT's for Rural Network," M. L. Sharma, <u>Digital Satellite Communications</u> , 1995, 10 <sup>th</sup> International Conference, pp. 484-490.
EXAMINER <u>Alpus H. Hsu</u> DATE CONSIDERED <u>4/21/04</u>		
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Form PTO-1449 (Rev. 8-83) U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 20 2003  
PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO. 10872US04	SERIAL NO. 09/729,040
APPLICANT: Larry W. Hinderks	
FILING DATE December 4, 2000	GROUP ART UNIT: 2082 2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hsh	A55	5,490,233	02-06-96	Kovacevic			
	A56	5,493,339	02-20-96	Birch et al.			
	A57	5,493,647	02-20-96	Miyasaka et al.			
	A58	5,495,554	02-27-96	Edwards et al.			
	A59	5,508,949	04-16-96	Konstantinides			
	A60	5,515,107	05-07-96	Chiang et al.			
	A61	5,528,725	06-18-96	Hui			
	A62	5,530,655	06-25-96	Lokhoff et al.			
	A63	5,534,913	07-09-96	Majeti et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
hsh	B25	Kokai 63-128829	06-01-88	Japan				
	B26	Kokai 63-240228	10-05-88	Japan				
	B27	Kokai 7-153243	06-16-95	Japan				
	B28	Kokai 7-154347	11-29-93	Japan				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

hsh	C19	Advertisement from ET/D of May 1978, Model 452, Simpson Electric Co.
	C20	"Digital Video and Audio Compression," Stephen J. Solari
	C21	"AT&T, Starburst Offer Reliable, Satellite-Based Multicasting," StarBurst Communications Press Release, April 2, 1996

EXAMINER

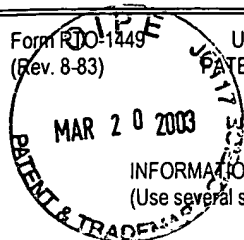
Alpus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Rev. 8-83) PATENT AND TRADEMARK OFFICE



INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

~~2662~~

2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BHH	A64	5,535,300	07-09-96	Hall II et al.			
	A65	5,550,863	08-27-96	Yurt et al.			
	A66	5,557,334	09-17-96	Legate			
	A67	5,557,724	09-17-96	Sampat et al.			
	A68	5,559,549	09-24-96	Hendricks et al.			
	A69	5,566,209	10-15-96	Forssen et al.			
	A70	5,581,653	12-03-96	Todd			
	A71	5,583,962	12-10-96	Davis et al.			
	A72	5,586,121	12-17-96	Moura et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BHH	B29	WO 89/09965	10-19-89	WIPO				
	B30	WO 92/10040	06-11-92	WIPO				
	B31	WO 92/12599	07-23-92	WIPO				
	B32	WO 92/17948	10-15-92	WIPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BHH	C22	"Comet PC-to-PC File Transfer Application Software," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
	C23	"HSS High Speed ISA Bus PC Interface Board," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
	C24	"MPEG 2 Digital Video Decoder Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)

EXAMINER

Alpus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Rev. 8-83) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE MAR 20 2003 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		ATTORNEY DOCKET NO. 10872US04	SERIAL NO. 09/729,040
		APPLICANT: Larry W. Hinderks	
		FILING DATE December 4, 2000	GROUP ART UNIT: <del>2662</del> 2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
h44	A73	5,588,024	12-24-96	Takano			
	A74	5,590,108	12-31-96	Mitsuno et al.			
	A75	5,594,490	01-14-97	Dawson et al.			
	A76	5,606,668	02-25-97	Shwed			
	A77	5,608,446	03-04-97	Carr et al.			
	A78	5,633,981	05-27-97	Davis			
	A79	5,659,615	08-19-97	Dillon			
	A80	5,659,877	08-19-97	Enomoto et al.			
	A81	5,675,575	10-07-97	Wall, Jr. et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
h44	B33	WO 93/02412	02-04-93	WIPO				
	B34	WO 93/09631	05-13-93	WIPO				
	B35	WO 95/23493	08-31-95	WIPO				
	B36	WO 96/08095	03-14-96	WIPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

h44	C25	"MUSICAM MPEG Layer II Digital Audio Decoder Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
	C26	"RS-422, V.35, RS-232C Clear Channel Synchronous Data Interface Module," <u>Starguide Digital Networks, Inc.</u> publication 1996 (2 pages)
	C27	"Specification for Satellite Data Broadcasting System Software v. 1.0," <u>Starguide Digital Networks, Inc.</u> publication 10/31/95 (7 pages)
EXAMINER	h44 Alpus H. Hsu	
	DATE CONSIDERED	4/21/04
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NO.  10872US04	SERIAL NO.  09/729,040
MAR 20 2003 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT:  Larry W. Hinderks			
		FILING DATE  December 4, 2000		GROUP ART UNIT:  <del>2662</del> 2665	

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hny	A82	5,694,334	12-02-97	Donahue et al.			
	A83	5,694,490	12-02-97	Howell et al.			
	A84	5,694,546	12-02-97	Reisman			
	A85	5,699,411	12-16-97	Becker et al.			
	A86	5,706,335	01-06-98	Hinderks			
	A87	5,727,002	03-10-98	Miller et al.			
	A88	5,732,078	03-24-98	Arango			
	A89	5,732,216	03-24-98	Logan et al.			
	A90	5,737,739	04-07-98	Shirley et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
hny	B37	WO 96/32710	10-17-96	WIPO				
	B38	WO 96/32805	10-17-96	WIPO				
	B39	WO 97/07606	02-27-97	WIPO				
	B40	WO 97/09801	03-13-97	WIPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

hny	C28	"Starguide II Digital Multimedia Satellite Receiver," Starguide Digital Networks, Inc. publication (2 pages)
	C29	"Starguide MX3 Digital Multimedia Multiplexer," Starguide Digital Networks, Inc. publication (2 pages)
	C30	"Starguide MX3 Digital Multimedia Satellite Hub," Starguide Digital Networks, Inc. publication (2 pages)
	C31	"Virtual Bandwidth Network Management System (VBNS) Software," Starguide Digital Networks, Inc. publication (2 pages)
EXAMINER <u>Alpus H. Hsu</u> DATE CONSIDERED <u>4/21/04</u>		
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Form PTO-1449 (Rev. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 10872US04	SERIAL NO. 09/729,040
MAR 20 2003 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT: Larry W. Hinderks	
		FILING DATE December 4, 2000	GROUP ART UNIT: 2682 2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
h44	A91	5,751,356	05-12-98	Suzuki et al.			
	A92	5,778,187	07-07-98	Monteiro et al.			
	A93	5,778,372	07-07-98	Cordell et al.			
	A94	5,781,909	02-14-98	Logan et al.			
	A95	5,809,145	09-15-98	Slik et al.			
	A96	5,818,441	10-06-98	Throckmorton et al.			
	A97	5,818,845	10-06-98	Moura et al.			
	A98	5,828,655	10-27-98	Moura et al.			
	A99	5,828,839	10-27-98	Moncreiff			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
h44	B41	WO 97/48051	12-18-97	WIPO				
	B42	WO 98/15887	04-16-98	WIPO				
	B43	WO 98/20724 A2	05-22-98	WIPO				
	B44	WO 00/25482	05-04-00	WIPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

h44	C32	"Virtual Bandwidth Network Management System, Users Guide," <u>StarGuide Digital Networks, Inc.</u> publication 1996, pp. 1-83
	C33	"Installation and Operation of the DaX," <u>StarGuide Digital Networks, Inc.</u> publication 04/25/95, pp. 1-16
	C34	"StarGuide II Satellite Receiver User's Manual," <u>StarGuide Digital Networks, Inc.</u> publication, Rev. B 6/96, pp. 1-56
	C35	"RS-232 Asynchronous Services Statistical Demux Interface Module," <u>StarGuide Digital Networks, Inc.</u> publication 1996
EXAMINER <u>Alpus H. Hsu</u> DATE CONSIDERED <u>4/21/04</u>		
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Form <del>PTO-1449</del> <b>1449</b> U.S. DEPARTMENT OF COMMERCE (Rev. 8-83) <b>PATENT AND TRADEMARK OFFICE</b>  <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; text-align: center;"> <b>MAR 20 2003</b>  <small>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</small> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ATTORNEY DOCKET NO. 10872US04</td> <td style="width: 50%;">SERIAL NO. 09/729,040</td> </tr> <tr> <td colspan="2">APPLICANT: Larry W. Hinderks</td> </tr> <tr> <td>FILING DATE December 4, 2000</td> <td>GROUP ART UNIT: <del>2662</del> <b>2665</b></td> </tr> </table>	ATTORNEY DOCKET NO. 10872US04	SERIAL NO. 09/729,040	APPLICANT: Larry W. Hinderks		FILING DATE December 4, 2000	GROUP ART UNIT: <del>2662</del> <b>2665</b>
ATTORNEY DOCKET NO. 10872US04	SERIAL NO. 09/729,040						
APPLICANT: Larry W. Hinderks							
FILING DATE December 4, 2000	GROUP ART UNIT: <del>2662</del> <b>2665</b>						

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<div style="border-left: 1px solid black; height: 100px; width: 50px;"></div>	A100	5,835,726	11-10-98	Shwed et al.		
	A101	5,838,906	11-17-98	Doyle et al.		
	A102	5,841,979	11-24-98	Schulhof et al.		
	A103	5,848,386	12-08-98	Motoyama		
	A104	5,852,721	12-22-98	Dillon et al.		
	A105	5,862,325	01-19-99	Reed et al.		
	A106	5,881,131	03-09-99	Farris et al.		
	A107	5,893,091	04-06-99	Hunt et al.		
	A108	5,894,554	04-13-99	Lowery et al.		

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
<div style="border-left: 1px solid black; height: 100px; width: 50px;"></div>	B45	WO 02/069073 A2	09-06-02	WIPO	
	B				
	B				
	B				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<div style="border-left: 1px solid black; height: 100px; width: 50px;"></div>	C36	Conway Phone-a-lyzer II, p. 96, <u>Telephony's Buyer's Guide 1990/91</u>
	C37	"Telos Zephyr Digital Network Audio Transceiver User's Manual," (selected portions), Manual Version: Non-ISDN 1.0, April 94
	C38	Clearlink IP Router Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03
	C39	"VSAT Network Components," Tridom, released 1/26/97 printed from web page 02/05/03
EXAMINER <b>Alpus H. Hsu</b> DATE CONSIDERED <b>4/21/04</b>		
<small>*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>		

Form PTO-1449 (Rev. 8-83) <b>MAR 20 2003</b> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)						ATTORNEY DOCKET NO. 10872US04		SERIAL NO. 09/729,040	
APPLICANT: Larry W. Hinderks						FILING DATE December 4, 2000		GROUP ART UNIT: 2665	
U.S. PATENT DOCUMENTS									
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
<div style="border-left: 1px solid black; height: 100px; width: 20px;"></div>	A109	5,987,480	11-16-99	Donohue et al.			<div style="border: 1px solid black; padding: 5px;"> <b>RECEIVED</b>  <b>MAR 21 2003</b>            Technology Center 2600         </div>		
	A110	5,991,292	11-23-99	Focsaneanu					
	A111	5,991,306	11-23-99	Burns et al.					
	A112	5,991,596	11-23-99	Cunningham et al.					
	A113	5,995,726	11-30-99	Dillon					
	A114	6,002,720	12-14-99	Yurt et al.					
	A115	6,006,173	12-21-99	Wiese et al.					
	A116	6,018,764	01-25-00	Field et al.					
	A117	6,021,307	02-01-00	Chan					

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B							
	B							
	B							
	B							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<div style="border-left: 1px solid black; height: 100px; width: 20px;"></div>	C40	Clearlink System 100 Data Sheet, Tridom, released 1/26/97 printed from web page 02/05/03
	C41	"Bandwidth On Demand Satellite Network Table Definitions," StarGuide Digital, version 2.0, August 29, 1996, pp. 1-8, <u>Virtex Communications, LLC</u>
	C42	"StarGuide Multiplexer User's Manual," Version 6.01, October 5, 1996, pp. 1-26, <u>Virtex Communications, LLC</u>
	C43	"Symphony Integrated Satellite Receiver Software High Level Design," Version 1.0, April 28, 1995, pp. 1-24, <u>Virtex Communications, LLC</u>
EXAMINER <u>Alpus H. Hsu</u> DATE CONSIDERED <u>4/21/04</u>		
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Form PTO-1449  
(Rev. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 20 2003

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

~~2662~~

2665

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hjm	A118	6,023,345	02-08-00	Bloomfield			
	A119	6,034,689	03-07-00	White et al.			
	A120	6,038,594	03-14-00	Puente et al.			
	A121	6,041,295	03-21-00	Hinderks			
	A122	6,041,359	03-21-00	Birdwell			
	A123	6,049,551	04-11-00	Hinderks et al.			
	A124	6,055,244	04-25-00	Wall, Jr. et al.			
	A125	6,078,961	06-20-00	Mourad et al.			
	A126	6,085,235	07-04-00	Clarke, Jr. et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B							
	B							
	B							
	B							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

hjm	C44	"Symphony Integrated Satellite Receiver Product Specification," Version 1.1, May 5, 1995, pp. 1-11, Virtex Communications, LLC
	C45	StarGuide II Tracking brochure, 1995, Virtex Communications, L.L.C.
	C46	"MUSICAM EXPRESS Brochure, 1995, Virtual Express Communications, L.L.C.

EXAMINER

Alpus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449  
(Rev. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 20 2003

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

~~2662~~  
2665

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BHJ	A127	6,094,427	07-25-00	Yi			
	A128	6,094,671	07-25-00	Chase et al.			
	A129	6,101,180	08-08-00	Donahue et al.			
	A130	6,115,750	09-05-00	Dillon et al.			
	A131	6,128,374	10-03-00	Hinderks			
	A132	6,144,702	11-07-00	Yurt et al.			
	A133	6,160,797	12-12-00	Robert III et al.			
	A134	6,188,689	02-13-02	Katsube et al.			
	A135	6,205,473	03-20-01	Thomasson et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B							
	B							
	B							
	B							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BHJ	C47	"Compression in Video and Audio," John Watkinson, 1995
	C48	Webpage printouts, IDR V1000 Specification, WavePhore Networks, 12/10/97
	C49	"WavePhore and SkyCache to Renovate Internat Backbone," webpage printout, WavePhore Networks, 03/11/98
EXAMINER	Alpus H. Hsu	
	DATE CONSIDERED	4/21/04
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

Form PTO-94E  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 20 2003

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

~~2662~~

2665

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
h44	A136	6,212,201	04-03-01	Hinderks et al.			
	A137	6,310,893	10-30-01	Yuan et al.			
	A138	6,351,727	02-26-02	Wiese et al.			
	A139	6,351,728	02-26-02	Wiese et al.			
	A140	6,359,882	03-19-02	Robles et al.			
	A141	6,373,927	04-16-02	Hinderks			
	A142	6,411,607	06-25-02	Robert III et al.			
	A143	6,411,616	06-25-02	Donahue et al.			
	A144	6,490,551	12-03-02	Wiese et al.			

RECEIVED

MAR 21 2003

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B							
	B							
	B							
	B							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

h44	C50	"Digital Video: The iPump," Wegener Communications, web page printed 02/05/03
	C51	"Digital Video: The UNITY 5000," Wegener Communications, web page printed 02/05/03
	C52	"Digital Video: UNITY Option Cards," Wegener Communications, 1999, web page printed 02/14/03
EXAMINER	Alpus H. Hsu	DATE CONSIDERED 4/21/04
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



Form PTO-1449  
(Rev. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 20 2003

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

ATTORNEY DOCKET NO.

10872US04

SERIAL NO.

09/729,040

APPLICANT:

Larry W. Hinderks

FILING DATE

December 4, 2000

GROUP ART UNIT:

2662

2665

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
bny	A145	Des. 264,691	06-01-82	Volkland et al.			
	A146	Des. 267,249	12-14-82	Fukushima et al.			
	A147	Des. 277,569	02-12-85	Georgopolus			
	A148	Des. 281,974	12-31-85	Suzuki et al.			
	A149	Des. 289,616	05-05-87	Imazeki			
	A150	Des. 291,443	08-18-87	Pedinielli et al.			
	A151	Des. 349,503	08-09-94	Roy			
	A152	Des. 350,544	09-13-94	Sakuta et al.			
	A153	Des. 373,767	09-17-96	Hinderks			

RECEIVED  
MAR 21 2003  
Technology Center 2600

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B							
	B							
	B							
	B							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

bny	C53	"Digital Video: The UNITY 401," Wegener Communications, 1999, web page printed 02/14/03
	C54	"Modeling and Performance Analysis of File Transfer in a Satellite Wide Area Network," Oliver W. W. Yang et al., IEEE Journal on Selected Areas in Communications, vol. 10, No. 2, February, 1992
	C55	"Psychoacoustics Facts and Models," E. Zwicker and H. Fastl, 1990

EXAMINER

Alpus H. Hsu

DATE CONSIDERED

4/21/04

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-83) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; margin-top: 10px;">           MAR 20 2003            PATENT &amp; TRADEMARK OFFICE         </div> INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ATTORNEY DOCKET NO. 10872US04</td> <td style="width: 50%;">SERIAL NO. 09/729,040</td> </tr> <tr> <td colspan="2">APPLICANT: Larry W. Hinderks</td> </tr> <tr> <td>FILING DATE December 4, 2000</td> <td>GROUP ART UNIT: 2882 2665</td> </tr> </table>	ATTORNEY DOCKET NO. 10872US04	SERIAL NO. 09/729,040	APPLICANT: Larry W. Hinderks		FILING DATE December 4, 2000	GROUP ART UNIT: 2882 2665
ATTORNEY DOCKET NO. 10872US04	SERIAL NO. 09/729,040						
APPLICANT: Larry W. Hinderks							
FILING DATE December 4, 2000	GROUP ART UNIT: 2882 2665						

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BHH 	A154	Re. 32,124	04-22-86	Atal			
	A155	2001/0000457	04-26-01	Hinderks et al.			
	A156	2001/0038686	11-08-01	Hinderks			
	A157	2002/0082827	06-27-02	Wiese			
	A158	2002/0105955	08-08-02	Roberts, III et al.			
	A159	2002/0177914	11-28-02	Chase			
	A160	2002/0194364	12-19-02	Chase et al.			
	A						
	A						

RECEIVED  
MAR 21 2003  
Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B							
	B							
	B							
	B							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BHH	C56	"What is DaX?," Virtex Communications, L.L.C., 1994
BHH	C57	"The Very Least You Need to Know to Operate a DaX" brochure, MUSICAM EXPRESS, L.L.C., July, 1996
	C	
EXAMINER <u>Alpus H. Hsu</u> DATE CONSIDERED <u>4/21/04</u>		
*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		